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| Forest Certification Work Instruction |
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Date of Draft Document:**Effective Date:** August 5, 2005**Revision Number:** 1**Supersedes Version Dated:** June 20, 2005

Work Instruction Title: 5.1 Coordinated Natural Resource Management Research**Work Area Group:** 5 - Research

Purpose:Coordinate the conduct and management of natural resource management research for DNR

Work Instruction:

The research coordinators from each Division or Bureau must compile a summary of research activities and expenditures prior to an annual meeting with other research program leads. Initial meeting will be organized by the Wildlife Division Research Coordinator. The summary will include in-house, collaborative and contracted research. At a minimum, the summary will consider research within forested landscapes related to:

- ecological health, productivity, processes, and dynamics;
- human uses, values, preferences, and dynamics;
- new markets for forest products;
- socioeconomic trends;
- chemical efficiency, chemical use rate, and integrated pest management;
- characteristics and dynamics of water budgets, hydrologic routing, sediment dynamics, and water quality;
- ecological dynamics at the riparian, land-water interface;
- effectiveness of wildlife management at multiple scales; landscape, forest stand, etc.;
- effectiveness of fisheries management at multiple scales; watershed, segment, lake, etc.;
- conservation of biological diversity (at multiple scales); and
- effectiveness of Best (land) Management Practices for preservation, rehabilitation, and enhancement of ecosystem functions and components;
- interactions among forest, wildlife, and fisheries management programs.

The summary will describe development and implementation of research projects and incorporation of findings into DNR activities and programs.

The Coordinators will meet on an annual basis to jointly review the summaries and discuss DNR research needs, opportunities, and implementation.

An annual research summary report will be published by December 15, 2005, and thereafter in conjunction with the annual management review. The summary report must be made available to all DNR staff.

Scope: (All State Forest Land and Affected Divisions): ☒ State Forest Land ☐ Other: _____

☒ DNR – FMFM ☒ DNR – Wildlife ☒ DNR – Fish ☐ DNR – Law ☒ DNR – Parks

Responsibility and Role:

| Job Title/Division | Role |
|--------------------------------|---|
| Research Coordinator/Wildlife | Conduct annual review of division research needs and activities |
| Research Coordinator/FMFM | Conduct annual review of division research needs and activities |
| Research Coordinator/Fisheries | Conduct annual review of division research needs and activities |
| Research Coordinator/Parks | Conduct annual review of division research needs and activities |

Note: FMFM Research Coordinator is delegated by the Forest Resources Section Leader as either the Forest Health, Inventory and Monitoring Unit Leader or the Planning & Operations Unit Leader.

Training/Skills: (Those required to accomplish work instruction)

| Item | Brief Description of Skill or Course | Exists/ New |
|--|---|--|
| Maintenance of proficiency | Familiarity with sciences supporting natural resource management (physical sciences, forestry, wildlife and fisheries sciences, human dimensions) | <input checked="" type="checkbox"/> E <input type="checkbox"/> N |
| Participation in budgeting process | Familiarity with DNR budgeting process | <input checked="" type="checkbox"/> E <input type="checkbox"/> N |
| Compilation and summary of Division research efforts and participation in annual summary of DNR research | Familiarity with all DNR research efforts: in-house, university, collaborative efforts with other agencies/entities | <input checked="" type="checkbox"/> E <input type="checkbox"/> N |

References:

- NRC Policy 2002 – Environmental Protection and Economic Development (3-11-1993)
 - Wildlife Division, Research Project Proposal and Review Process.
 - Michigan Statewide Wildlife Research Program, Application for Federal Assistance, W-147-R, Amendment 3, October 1 2004.
 - Wildlife Division, Federal Aid to Wildlife Restoration Study Performance Reports and Final Reports
 - Fisheries Division, Draft Policy and Procedure for Research Project Proposal and Review Process.
 - Fisheries Division, Early Drafts Research Agenda for each major theme area (e.g., Inland Lakes Theme, Rivers and Streams theme).
 - Fisheries Division, Research Section Calendar.
 - Fisheries Division, Federal Aid to Sportfish Restoration Research Grants; Five-year Project Proposals; and Annual Research Study Proposals and Revisions, and Study Final and Performance Reports.
 - Fisheries Division, Policy and Procedure for Publication of Technical Documents.
 - SFI-4.2.2.Indicator Assessment Form (for FMFM)
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Monitoring:

- A review of the research coordination process will occur as part of the annual management review process.
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Records:

- Annual report of DNR research activities.
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